STAUFFER CHEMICAL COMPANY
WESTERN RESEARCH CENTER

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TOXICOLOGY LABORATORY REPORT -- T- 4885

SAFIDON 100 (IMIDAN TECHNICAL -- HUNGARY)

I. OBJECTIVE

To evaluate the toxicological aspects of this material.

II. MATERIALS

SAFIDON 100 (IMIDAN TECHNICAL - HUNGARY) 3169-41-6, a beige lumpy powder, was received from the RRC on 5/29/74.

III. SUMMARY

A. Acute oral LD_{50}, male rats, mg/kg: 591 (344-730)

B. Acute oral LD_{50}, female rats, mg/kg: 591 (344-730)

C. Skin irritation classification: (4-hr. exposure) noncorrosive

D. Eye irritation classification: mild irritant

E. Acute dermal LD_{50}, rabbits, mg/kg: > 4640

F. Acute inhalation LC_{50}, rats, mg/liter/hour: > 0.9

G. Chronic static rat inhalation, no effect level: > 5 day, 4 hours, per day

Submitted by L Henderson
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Approved by R L Joiner
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RLJ:ea

G. CHRONIC STATIC RAT INHALATION

Test Material: Safidon 100 T-4885

No effect Level: >5 days, 4 hours per day.

Five male and five female Sprague Dawley albino rats were used for test purposes. The exposures were performed in an eight cubic foot plexiglass static inhalation chamber. The test material was exposed in 4 open petri dishes beneath a wire grid inside the chamber. The wire grid was taped in four places above the petri dishes to keep out rat feces. The samples were weighed before testing. The test animals were fasted for 24-hours prior to treatment and were not given water during exposures. They were observed during the exposure periods for mortalities and signs of toxicity, and 14 days after treatment.

Weight range of test animals: 200 grams

Weight per petri dish, per day: 5 grams

Signs of Toxicity: Rats after 5 exposures of concentrated vapors of Safidon 100 were normal except one the first day which was hyperactive during and after treatment.

Additional Comments: The test material was not reweighed after treatment as the compound absorbed moisture from the air.